CORRELATION OF MAP UNITS, GEOLOGIC EVENTS, AND CRATER DENSITIES IN THE POLAR REGIONS OF MARS

NORTH POLAR REGION				GEOLOGIC EVEXVI			SOUTH POLAR REGIONS OF MARS	
Channel-system and Western volcanic		Plateau and high-plains	EVENTS		NO. CRATERS LARGER THAN 2, 5, AND 16 KM DIAM. PER 1,000,000 KM ²	Channel-system		
Northern plains assemblage SMOOTH PLAINS MATERIAL ARCADIA FORMATION Aa3 Aps VASTITAS BOREALIS FORMATION Hvm Hvg Hvr Hvk	Ach Adc Adl Am Hchp	ALBA PATERA FORMATION Hal	high-plains	Emplacement of dunes and mantle Development of polar deposits? Development of ridges, grooves, and knobs on north polar plains Resurfacing of northern plains Volcanism and pitting in south polar cavi area Ridged lava flows in Malea Planum Emplacement of intercrater plains Tectonism south of Hellas basin Dissectation and etching in south polar highlands Intense bombardment	NOACHIAN HESPERIAN AMAZONIAN SYSTEM	2 5 16 -20 or less -30 -40 -50 -60 -70 -80 -90 -100 -150 -200 -300 50 -400 -70 -600 -70 -700	Am Ad PL	Plateau and high-plains assemblage SLIDE MATERIAL POLAR DEPOSITS Api Api API API API API ARGENTEA, UNDIVIDED FORMATION MATERIAL Hellas Npl2 Npl1 Npl1